

RF 327.765CON 1/26/05

- 2 -

In the claims:

Claims (Previously canceled) 1-13.

5                   14. (Original) An arrangement for a piston and  
cylinder device, comprising:

                  a cylinder unit having an inner space defined  
therein;

                  a slidable piston unit disposed in the inner space,  
10   the piston unit being movable in a forward and backward  
direction, the piston unit dividing the inner space into a  
first chamber and a second chamber;

                  a piston rod connected to the piston unit and having  
a recess defined therein;

15                   the cylinder unit having a first closed end wall at  
the first chamber and a second end wall at the second chamber,  
the second end wall having a first cylinder channel defined  
therein, the cylinder unit having a second cylinder channel  
and a third cylinder channel defined therein;

20                   a hollow sensor element disposed in the inner space,  
the sensor element having an axial sensor channel defined  
therein, the piston unit being slidably associated with the  
sensor element and the sensor element extending into the  
recess of the piston rod;

25                   the first cylinder channel in fluid communication  
with the second chamber, the sensor channel in fluid

RE 327.765CON 1/26/05

- 3 -

communication with the second cylinder channel, the third cylinder channel in fluid communication with the first chamber; and

5 a conductive member disposed in the sensor element, the conductive member being connected to an electric unit for detecting an inductance.

15. (Original) The arrangement according to claim 14 wherein the recess is an enclosed chamber that is only in  
10 fluid communication with the sensor channel.

16. (Original) The arrangement according to claim 14 wherein a first control valve in operative engagement with the first cylinder channel for controlling the flow of fluid  
15 through the first cylinder channel.

17. (Original) The arrangement according to claim 16 wherein the arrangement has a second control valve in operative engagement with the second cylinder channel for  
20 controlling the flow of fluid through the second cylinder channel.

18. (Original) The arrangement according to claim 17 wherein the arrangement has a third control valve in  
25 operative engagement with the third cylinder channel for

RF 327.765CON 1/26/05

- 4 -

controlling the flow of fluid through the third cylinder channel.

19. (Original) The arrangement according to claim  
5 18 wherein the third valve and the first valve are in communication with a first medium supply container so that a first medium in the first medium supply container is in fluid communication with the first chamber and the second chamber.

10 20. (Original) The arrangement according to claim 17, wherein the sensor element comprises an electrical detection element that is a tube-shaped element collaborating with the piston unit.

15 21. (Original) The arrangement according to claim 20, wherein the sensor element is connected to position sensitive detection devices that consist of an electrical system.

20 22. (Original) The arrangement according to claim 21 wherein the sensor element comprises an inductive functioning sensor device formed by an electrical conductor that has been wound into a coil that lies in the longitudinal direction of the tube-shaped element.

25

RF 327.765CON 1/26/05

- 5 -

23. (Original) The arrangement according to claim  
22 wherein the second valve is in operative engagement with  
the sensor element and that a degree of opening of the second  
valve is controlled and regulated on the basis of signals and  
5 data that are received from the sensor element.

24. (Original) The arrangement according to claim  
23 wherein the first valve and third valve are in operative  
engagement with the sensor element and that a degree of  
10 opening of the valves is controlled and regulated on the basis  
of signals and data that are received from the sensor element.

25. (Original) The arrangement according to claim  
14 wherein the first cylinder channel carries a first fluid  
15 medium, the recess and the sensor channel carry a second fluid  
medium and the first fluid medium is separate from the second  
fluid medium.